

The following listing of claims replaces all previous listing of claims in this application.

In the Claims

1. (Currently Amended) An over-voltage protection device suitable for protecting a ~~main~~san electrical supply, the device comprising:

a gas-discharge arrestor;

a varistor and a thermal-fuse element arranged to ensure a thermal disconnection of the over-voltage protection device from the ~~main~~seletrical supply,

said gas-discharge arrestor, said varistor, and said thermal-fuse element being mounted in series with each other between two lines of the ~~main~~seletrical supply,

wherein the over-voltage protection device includes, in parallel with the varistor, a resistor sized so as to cause, after a short-circuiting of the gas-discharge arrestor, a heating of the thermal-fuse element which triggers the thermal disconnection of the over-voltage protection device from the ~~main~~seletrical supply.

2. (Currently Amended) The over-voltage protection device according to claim 1, wherein said ~~main~~s-electrical supply is a low-voltage ~~main~~s-electrical supply having a voltage of use within a range of voltages bounded by a minimum voltage of use and a maximum voltage of use,

wherein the varistor is sized so as to extinguish the gas-discharge arrestor up to the maximum voltage of use,

wherein the resistor is sized so as to trigger the thermal disconnection of the over-voltage protection device at the minimum voltage of use.